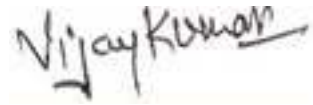


UNDERTAKING BY THE CANDIDATE

I, **Mr. Vijay Kumar**, declare that I have pursued my research work under the supervision of **Dr. Vinay Kumar Singh** from July 2009 to September 2014. I hereby supplicate my thesis entitled “**Low temperature preparations of high alumina cements and their utilization as bauxite based low cement refractory castables**” for the award of Ph.D. degree.

Date: 30/09/2014

Place: IIT (BHU), Varanasi

A handwritten signature in black ink that reads "Vijay Kumar" with a horizontal line underneath the name.

(Vijay Kumar)

ANNEXURE-F

**COURSE WORK/COMPREHENSIVE EXAMINATION COMPLETION
CERTIFICATE**

This is to certify that **Mr. Vijay Kumar**, a bonafide research scholar (Ceramic Engineering) of this Department, has successfully completed the course work/comprehensive examination requirement, which is a part of his Ph.D. programme.

Date:

Place: IIT (BHU), Varanasi

(Head of the Department)

ANNEXURE-F

PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

This is to certify that **Mr. Vijay Kumar**, a bonafide research scholar (Ceramic Engineering) of this Department, has successfully completed the pre-submission seminar requirement on the topic "**Low temperature preparations of high alumina cements and their utilization as bauxite based low cement refractory castables**" on dated **19.06.2014**, which is a part of his Ph.D. programme

Date:

Place: IIT (BHU), Varanasi

(Head of the Department)

ANNEXURE-G

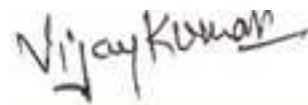
COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis : “Low temperature preparations of high alumina cements and their utilization as bauxite based low cement refractory castables”

Candidate’s Name : Mr. Vijay Kumar

Copyright Transfer

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Date:30/09/2014

(Signature of the candidate)

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